

31. (Amended) The process according to claim 28, wherein the embryo of the operation a. is genetically modified prior to the development to term.

32. (Amended) The process according to claim 28, wherein the operation a. is carried out *in vitro*.

33. (Amended) The process according to claim 28, wherein the operation a. is carried out *in vivo*.

34. (Amended) A reconstructed animal embryo, resulting from the process according to claim 1.

35. (Amended) An animal resulting from the process according to claim 28.

36. (Amended) A transgenic animal resulting from the process according to claim 30.

REMARKS

The above amendments to the claims are being made in order to eliminate any properly multiply dependent claims, for the purpose of reducing the filing fee. Please enter this amendment prior to calculation of the filing fee in this case.

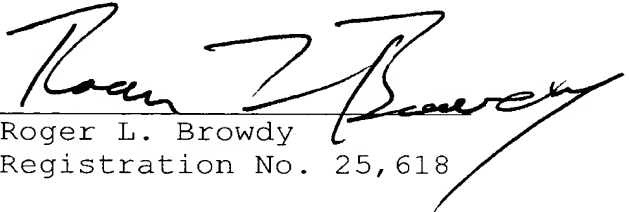
Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

In re of: Pasquino LOI et al. (LOI=1)

Favorable consideration is earnestly solicited.

Respectfully submitted,
BROWDY AND NEIMARK, P.L.L.C.
Attorneys for Applicant

By:


Roger L. Browdy
Registration No. 25,618

RLB:wrđ

Telephone No.: (202) 628-5197

Facsimile No.: (202) 737-3528

F:\,S\socf\Loi1\PTO\Preliminary Amendment.doc

099055-1240

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 7-13, 18-26, 28 and 30-36 have been amended as follows:

7. (Amended) The process according to claim 1 ~~to 6~~, wherein said chromatin is organised in chromosomes.

8. (Amended) The process according to claim 1 ~~to 7~~, wherein the donor cell is collected from a single individual.

9. (Amended) The process according to ~~anyone of claims 1 to 8~~ claim 1, wherein said donor cell is selected from the group consisting of embryonic cell, foetal cell, somatic cell.

10. (Amended) The process according to ~~anyone of claims 1 to 9~~ claim 1, wherein said donor cell is a cultured cell.

11. (Amended) The process according to ~~anyone of claims 1 to 10~~ claim 1, wherein said donor cell is a granulosa cell.

12. (Amended) The process according to ~~anyone of claims 1 to 11~~ claim 1, wherein said donor cells is a dead cell.

13. (Amended) The process according to ~~anyone of claims 1 to 12~~ claim 1, wherein said chromatin is subjected to at least one genetical modification.

FOI 2001-2503660

18. (Amended) The process according to anyone of ~~claims 1 to 17~~ claim 1, wherein said donor cell is in G1 or G0 phase.

19. (Amended) The process according to anyone of ~~claims 1 to 18~~ claim 1, wherein said donor cell is a cell in M phase.

20. (Amended) The process according to anyone of ~~claims 1 to 19~~ claim 1, wherein said denaturing treatment is carried out on the nucleo-protein assembly.

21. (Amended) The process according to anyone of ~~claims 1 to 20~~ claim 1, wherein said denaturing treatment is carried out on the nucleus inside the donor cells.

22. (Amended) The process according to anyone of ~~claims 1 to 21~~ claim 1, wherein said denaturing treatment is carried out on the nucleus outside the donor cell.

23. (Amended) The process according to anyone of ~~claims 1 to 22~~ claim 1, wherein said oocyte is matured *in vitro*.

24. (Amended) The process according to anyone of ~~claims 1 to 23~~ claim 1, wherein the nuclear transfer is carried out by injection.

25. (Amended) The process according to ~~claim 1 to~~ 24, wherein said animal embryo belongs to a species selected from the group consisting of mouse, rat, rabbit, guinea pig and fur species.

05980557 "120401

26. (Amended) The process according to claim 1 to 24, wherein said non-human mammalian species is an ungulate species.

28. (Amended) A process for generating an animal, comprising the following operations: a. culturing an animal embryo reconstructed according to ~~anyone of claims 1 to 27~~ claim 1 to obtain blastocysts; b. transferring the blastocysts into a suitable recipient animal; c. causing said animal embryo to develop to term and further breeding the resulting animal.

30. (Amended) The process according to ~~anyone of claims 28 and 29~~ claim 28, wherein the embryo of the operation a. is a genetically modified embryo ~~resulting from the process according to anyone of claims 13 to 17.~~

31. (Amended) The process according to ~~anyone of claims 28 to 30~~ claim 28, wherein the embryo of the operation a. is genetically modified prior to the development to term.

32. (Amended) The process according to ~~anyone of claims 28 to 31~~ claim 28, wherein the operation a. is carried out *in vitro*.

33. (Amended) The process according to ~~anyone of claims 28 to 31~~ claim 28, wherein the operation a. is carried out *in vivo*.

09980557 120401

34. (Amended) A reconstructed animal embryo,
resulting from the process according to ~~anyone of claims 1~~
~~to 27~~claim 1.

35. (Amended) An animal resulting from the process
according to ~~anyone of claims from 28 to 33~~claim 28.

36. (Amended) A transgenic animal resulting from the
process according to ~~claims 30 or 31~~claim 30.

09980557.120401
T0402T.25503660